

<u>Amino Acid</u>	<u>Three letter Code</u>	<u>One letter Code</u>
Alanine	Ala	A
Cysteine	Cys	C
Aspartic Acid	Asp	D
Glutamic Acid	Glu	E
Phenylalanine	Phe	F
Glycine	Gly	G
Histidine	His	H
Isoleucine	Ile	I
Lysine	Lys	K
Leucine	Leu	L
Methionine	Met	M
Asparagine	Asn	N
Proline	Pro	P
Glutamine	Gln	Q
Arginine	Arg	R
Serine	Ser	S
Threonine	Thr	T
Valine	Val	V
Tryptophan	Trp	W
Tyrosine	Tyr	Y
Citrulline	Cit	
Hydroxyproline	Hyp	
Ornithine	Orn	
B-Alanine	B-Ala	

When Asparagine and Glutamine are hydrolyzed, they are deamidated to the respective acids and cannot be differentiated. Therefore, the resulting mixtures are designated as Asx and Glx.

Asparagine/Aspartic Acid	Asx	B
Glutamine/Glutamic Acid	Glx	Z